

Datum / Date: 2.5.2018 Swiss Camp

First night, was cold $\sim -25^{\circ}\text{C}$
Leant no wind. Put up at 5:30
since we got to bed at 11 pm.

Swiss Camp GPS # 0468

Seemed to be working ok gear
with files

11/13/2017	13.5 Mb
12/11/2017	9.8 Mb
2/3/2018	2.1 Mb
5/2/2018	29.1 Mb (today)

It worked!!

Swiss Camp AWS Datum / Date: 2.5.2018

10 m tower: worked ok,
only one snow height

SC AWS: worked ok
only one snow height and

Data looks ok, replace snow
height present at both stations

There was a major storm with
+ 30 m/s

Datum / Date: 2, 5, 2016

GPS &

Swiss Camp

Datum / Date: 3.5.2018

Downloaded data from past
year and uploaded new
settings for 2018/19.

Also programmed # 0334
for 2018/19 and will put
at JARI (?)

Installed solar panel on 10m
tower which sheered off during
storm.

JARI GPS

Seemed to work, but date is
still off (1998) - tried
to update the Rmt.

02/28/1998 - 14.8 MB

3/4/1998 - 4.6 MB

3/9/1998 - 2.0 MB

was there a power failure?

no power at JARI GPS
when I visited!

Wind from East, light snow and
overcast. Vch not very good, we
wait with going to JARI and
above to.

Riance woke up with headache
but slept good and - 7.6 It
is warmer than last morning (-17)

JARI GPS # 3598 up to 2018
old dates in the data!

DU10 # 0471 up to 2018
new # 0334 after May 2018
Worked in 2017

168 MB - 11/13/2017

45 MB 5/12/2017

2072 MB 5/3/2018

Worked in summer, but no power
in Jan 2018!

Had not been recording when I visited
new GPS started to record.

Datum / Date: 3.5.2018 JAR1 AWS

JAR1 AWS

Worked good until 22 Aug 2017
and then stopped, even though the
battery had good charge 13.8 V

Started again on 18 Feb 2018
but power was low and then
recovered.

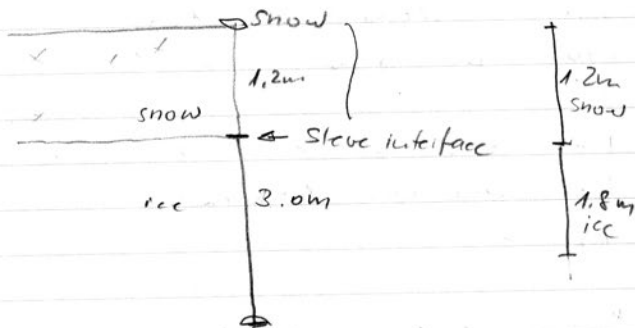
Melt up to end of Aug, ca 110cm
including snow, there was 1.2m snow
It was drilled 3m into the ice
with Steve at the ice-snow interface

⇒ 2018 it has again 1.2m of snow,
today the Steve is at the snow surface.
→ 200 - 120 cm = 1.8 m into the ice!
Is that enough? It seems it
might be a bit critical
→ no

JAR1

Datum / Date: 3.5.2018

2017



1.2m → 2.8m = 1.6 m height
back to 2.0 today loss
~.8m snow 2017 → 2018
1.2m is snow → 40 cm ice loss

⇒ that would mean there is 2.6 m
into the ice or 2.2m

The pole
There is more than 2m ^{into} ice

There is 0.1 to 1m snow on
the ice

Datum / Date: 3.5.2018 GPS units

upgrade GPS

Datum / Date: 3.5.2018

Unit	SN	Firmware	2018 →
5700	00220283932	1.20 ⁹	
5700	00220284018	1.20 ⁷	
R7	0220400468	2.3	SwissCap
R7	0220380334	2.3	DN10
R7	0220373598*	2.27	
R7	0220400471	2.3	DTA21

R7 Windflash V5.0 software

use modular receiver

use legacy password

Winflash WTC-Rx - 5x-V500

use Trimble survey module receiver

update receiver option

To meet → legacy password

received from UNAVCO

* needs upgrade → old data stamp

R7 5194* from up18

R7 5196* from up50

* should be updated

Datum/Date: 4.5.2018

JAR 1 → DN10

We need:

- spare batteries
- shovels
- volt meter
- cable connectors (tool box)

Santa Camp

Datum/Date: 4.5.2018

Very nice, calm, clear, old day

With pet Began going today,
Shidoos and JAR1 visit.

Began running line, wide Shidoos
running again after the spring and
tracks got replaced.

Snows radar works again, uploaded
a new program on 10m tower
to include radar again. Should
be transmitting climate data again.

Datum / Date: 4.5.2018

JAR 1 GPS

Reconnected the battery box, cable was broken, probably due to small increase. Box frozen in, cable was frozen in the system by ~ 5-10 cm.

At line now at JAR 1 GPS + Ave.

Began

Datum / Date: 4.5.

Laund. Pod 5.0.9 over

AT + CGACT = 1,2 service installed

APN *

vizada-usa.bgn.inmarsat.com

Got the Bgan working for
Dancehouse CF-19

→ APN under menu set
APN address *

Datum / Date: 5.5.2018

Snow survey SC

WE = 58.13 cm

10m tower (1314/8) $\bar{x} = 164.21$

Snow: 155, 155, 169, 167,

170, 170 (radar)

180, 157

Underside Box 85 cm

" lower rim 178 cm

" radar box 53 cm

KWS tower (1314/8) $\bar{x} = 164.02$ cm

Snow: 161, 162, 166, 167

166, 167, 167, 167

Underside box 92

" lower rim 88 cm

A upper + lower rim 104 cm

WE = 59.2 cm

WE = 59.1 cm Snow acc.

\bar{x} snow = 164 cm

Surface = + 34 cm

WE surface + 15 cm

ETH Rat Sitzung

Datum / Date: 5.5.2018

16 May

14:45 - 16:00

Statistik Planung

2021 - 2024 of the

ETH Board (1st reading)

Gäste: Dr. FA'S → Christoph Hög

Just email to Fik Schreiner
with question.

Snow survey 2018-2019

10m tower Box 295 (17) 259 (18) (+36 cm)

Arm 352 (17) 342 (18) (+17 cm)

Body Box 265 (17) 223 (18) (+42 cm)

mean we + 11.4 cm Snow mean + 31.6 cm

KWS: 286 (17) 257 (18) + 29 cm

low arm 292 (17) 252 (18) + 40 cm

we $\bar{x} = 12$ cm snow $\bar{x} = + 34$ cm

→ Compared 2016 - 2016
see 27.5.2018

Datum / Date: Sung Camp Location

2018: $69^{\circ} 33' 20'' N$, $49^{\circ} 21' 53'' W$

2017 $69^{\circ} 33' 27'' N$, $49^{\circ} 21' 29'' W$

2016 $69^{\circ} 33' 25'' N$, $49^{\circ} 21' 34'' W$

2015 $69^{\circ} 33' 27'' N$, $49^{\circ} 21' 27'' W$

2013 $69^{\circ} 33' 32'' N$, $49^{\circ} 21' 10'' N$

2011 $69^{\circ} 33' 41'' N$, $49^{\circ} 20' 44'' W$

2010 $69^{\circ} 33' 48'' N$, $49^{\circ} 20' 34'' W$

2009 $69^{\circ} 33' 46'' N$, $49^{\circ} 20' 34'' W$

2008 $69^{\circ} 33' 47'' N$, $49^{\circ} 20' 17'' W$

2007 $69^{\circ} 33' 51'' N$, $49^{\circ} 19' 17'' W$

2006 $69^{\circ} 33' 57'' N$, $49^{\circ} 19' 47'' W$

2005 $69^{\circ} 33' 53'' N$, $49^{\circ} 19' 57'' W$

2001 $69^{\circ} 34' 03'' N$, $49^{\circ} 19' 17'' W$

1998 $69^{\circ} 34' 10'' N$, $49^{\circ} 18' 47'' W$

1994 $69^{\circ} 34' 17.3'' N$, $49^{\circ} 18' 12'' W$

1993 $34' 20'' N$, $49 18 07'' W$

from 1990 - 2018 Datum / Date: 7.5.2018

1993 did the calculation

$\rightarrow 0.35 \text{ m/day}$

$\rightarrow 128 \text{ m/y}$

1990 $69^{\circ} 34' 25'' N$, $49^{\circ} 17' 44'' W$
 $\rightarrow 3.35 \text{ km from 2018}$

2018

1990

$28 \text{ years} \times 0.35 \times 365$

0.35×365

128.25

129.5

127.7

$= \boxed{127 \text{ m/y}}$
 $\boxed{128 \text{ m/y}}$

$128 \text{ m} \times 28$

1024

256

3584

Moved Since 1990

$\boxed{\text{Expanded } 3.5 \text{ km}}$

$69^{\circ} 33' 20'' N$

$49^{\circ} 21' 53'' W$

$69^{\circ} 34' 25'' N$

$49^{\circ} 17' 44'' W$

$0^{\circ} 1' 5'' N$

$= 41^{\circ} 05'' W$

Datum / Date: 17.5.2018

AWS

Soathian Travels:

S-Dome: - (extended in 2017)
- was not transmitting

NAST-SE: - needs extension?
x-unit ok
Tat are loc opus

Saddle: - needs extension P
only SD ant
lower arm in snow (?)

Dye-II: not x unit
- (was extended in 2017)

AWS

Datum / Date: 17.5.2018

Northern Travels:

EGRIB: all working

Summit: 2nd T/H broken
all working

NASA-U: both snow sensor out
could need extension ←
needs new battery ←

NEEM: x-unit works again ✓
(battery?)
2nd T/H ant
2nd wire ant
2nd SD helix ant

NASA-E: x-unit ok,
wind speed + dir ?
2nd SD ant
extension needed.

Datum / Date: 17.5.2018 Ans

Tuner - N:

→ maybe extension!
x - not ok

Pct: x - not ok

both T/H sensors out

one SD out

bring one extension to drill in $\phi?$

GIS: not x - not ?

Hum: x - not ok

all working, date is wrong

Extensions: NASA-SF, Saddle } 2

NASA-U, NASA-E } 4

Tuner-N, GIS } 6

Pct

+1

7

Kanger Datum / Date: 17.5.2018
Scandic Palace Hotel

+ 45 331 44050 Room 227

come June 1

cell to put NF down jacket back

conf. 1543337890 Pin 0718

Datum / Date: 19.5.2018

H. H. H. station

S-Dome

Datum / Date: 20.5.2018

Download data of CPI, Saddle
Dismantle station etc WAST-SE^x

* To be removed:

- 1) T cross bar with T-108 sensor
+ base
- 2) Solar panel + mount
- 3) Helix antenna
- 4) Data logger box with content
- 5) co-axial cable of inidium

Left at 8:30 Kangas in direction
S-Dome, wx in Kangas was over-
cast with snow, S-Dome is a
chance of clouds and we might have
to return to Dye-II without landing.

Past and Adim are coming along
with Derek H. B. and Jim
stayed in Kangas.

There were heavy clouds on the
way to the ice sheet. Once above
past we had low clouds.

Only 40 miles left for S-Dome and
the surface clouds start. I don't see
so many holes we could go down
150km (38 miles) to go.

63° 08' 56" N 2878m

44° 49' 03" W

Snow density measurement by Adeline
Derek took some PM data, pen. W. W. W.
and so on.

- upper solar panel needs replacement,
lost the glass due to icing.

- needs new wind, upper level,
lost the propeller part. Lower
one lost the tail, so combines
the two, recording now at lower
level.

Annual accumulation ~ 160 cm!
which seems rather high!

checked the data: all was fine
except the wind speed was lost.

- the tower was not fixed and
moved some 45°. The flange
was loose. It was set to 260°
instead of 213.

- H₂ GPS needed to be on
maj. direction to show the
Sun at 180 at noon.!!??

- seems all working except
the broken wind sensor.

Datum / Date: 20, 5, 2018

Pgc - II

66° 28' 55.1" N

46° 17' 26.5" W 846m

The satellite cable from CRAS was disconnected. It was an old blue cable without screws. Was that my doing? Hardly

Replaced 1st SD snow height sensor. Works ok

Replaced THT 1st level but did not correct the humidity. All the rest works.

Reset 3rd transmitter

Antenna was on 189, now 210.
Downloaded data, all works ok.
Checked data: SD1 was out, humidity was out, all the rest ok.

Ans analysis

Datum / Date: 20.5.2018

Pet: how much melt?

SD1 = 2.65 m SD 140 2018

1.41 m ~130, 2014

2.60 m 130 2016

No surface lowering since 2016 - 2018!
We should drill a new hole if we can.

⇒ No redrilling at Pet.

NASA-E: SD 140: 2.9 m, 2.2 m 2018

→ box is still 2.4 m above snow!

~ 130: 3.68 1.85 2017

A = 0.8 m

needs extension - now

Datum / Date: 21. 5. 2018 Summit

Weather much better in the north, we decided to fly to Summit starting the northern traverse, will do Saddle + Nasc at the end of the season.

Adin will have to get out with the C-130 on Wednesday.

Summit Aws : 2nd T/H sensor out
all the rest is running!

NASE-E : 1st wind sensor out
all the rest is running
needs extension

EGRIP : 2nd T/H out no, it has broken
~~1st SD snow height and~~
rest all running ok

Tynda-N : 2nd wind dir out
all the rest ok
needs extension

Fuel catch NEEM Datum / Date: 21. 5. 2018

Robin agreed to dead on the fuel catch at NEEM put there in 2016

77° 3' 14.33N 51° 20' 16.73E
~ 40 km from old NEEM station

7 drums of fuel, look for flags, that might be all that is showing.

NEEM : 2nd T/H out
1st SD snow height out
rest ok!

NASA-U : both SD snow sensors out
needs extension!
needs new battery!

two downloaded and replaced
upper HTP sensor, turn
lower instrument by 30°
to have less effect on
wind sensor. All worked
fine. Snow pit by Desolation

2m tower: raised arm by 1.2m,
turned instrument box (whole
tower) so that the thermistor
cable could reach the box.
Downloaded data from
JD 27 to 28.17 to today.
All worked well

⇒ needs extension cable
for thermistor ⇒ Kore

Raised radiation arm with downloading
instruments to 1.8m above snow.
Fan for pyranometer up broken,
not working.

Solar tracker radiation could not
raise because we had no
extension cable ⇒ Kore

uploading pyranometer missing, in
storage according to H&A.
Fan not working a pyranometer.
Solar tracker not working either.

Tower needs to be moved to
roof of NOAA building.

2 cables needed! grey + red
thermistor, red into the
ground.

Datum / Date: 22.5.2018 Summit - NASA U

Left at 9 am after a good night sleep.
It was -32°C at midnight and
 -47°C wind chill. Slept the whole
night - probably because I took
IBU PROFED (2 Tablets).

NASA-U next:

Needs two SD sensors

Needs extension

Needs battery box

Did not transmit (206/10) reset.

Summit GPR AWJ

#, Year, DO, h-m, fair, 5x, 1km, 4x,

V, V-dir, 8x, press, Ch, volt

NASA-U

Datum / Date: 23.5.2018

Coordinates: $73^{\circ} 50' 26.6''\text{N}$
 $49^{\circ} 31' 35.5''\text{W}$

Lower arm was in snow, wind
buried in snow, ant temp was still above
the snow,

Digging down to fix all cables and,
pulled several instruments and
New Battery box (one box for all).

Replaced both SD snow heights.

Replaced Lower Tilt Sensor

Pulled left shortwave and had to

replace. NEW Radiometers

incoming snow was 77538

reflected snow LI 10001 mult. -10.3

PY 28087 15 oct 96

all channels working again.

Antenna was only 5° off.

Transmitters ok now

Datum / Date:

22.5.2018

NEEM pipe - take a picture!

Photo for Posthe and JP!

EGRIP AWS

Download data, many data was corrupted, had to download with PC, worked well. Reformat the data and put new data in cells.

All worked well, still have problems and coordinates.

Coordinates: $75^{\circ} 37' 36.4'' \text{N}$
 $85^{\circ} 58' 48.2'' \text{W}$
2653 m

Tunn-N

Datum / Date:

24.5.2018

Perfect day to fly north. Had a good night sleep at EGRIIP

New interface work well, was able to take it data today. Tunn-N only one wind direction shows 0.

Coordinates: $78^{\circ} 01' 7.5'' \text{N}$
 $23^{\circ} 58' 00.6'' \text{W}$

All but one wind direction working. Extended tower and power cable. Put the two power cables in one. The station will be good for 25 years.

Had to cut thermometer cables.

Finished at noon \rightarrow NASA-E

Is transmitting but had some
intermissions. Got at winter data.

coordinates: $75^{\circ} 00' 8.2'' N$

$28^{\circ} 59' 01.8'' E$

Did not extend, still two years
of 70%.

All working, down loader line
winter not working, but connected.
Need new cables for the winter,
the cables get brittle.

Snow pit done as well. fore
after 30 min.

a 45 cm accumulation.

Alt. 226 was de.

We still have two the poles on
storage here, need to remember
for next years!

Take picture and measure KEEM
bare hole side

Survey drums (7) from 2 years
ago.

Datum / Date:

24.5.2018

NEEM

We go to fuel cash first to see if we can spot the logs. Then to NEEM, Hum, Pet, Daaneeg if fuel and wind are favorable.

2nd T/H out }
 1st SD out } from transmitted data
 pressure out }

Fuel cash still vis with 2 FLop
 ca 0.5 m above the surface, the
 same coordinates.

NEEM

Datum / Date:

24.5.2018

Coordinates: $77^{\circ} 26' 28.6'' N$
 $51^{\circ} 05' 53.8'' W$ 2460

Reconnected upper T/H which was disconnected. Replaced upper SD.

All working except pressure?

Downloaded, had to get a new chip first and put it in. Then downloaded the data. etc.

Snow pit clone, Neem drill shaft was visited and measured by pilots.

Accumulation - a 69 cm (or 39 cm)

Datum / Date: 24.5.2018

Humboldt

Pot

Datum / Date: 24.5.2018

It seems all instruments are working
as of May 20, 2018. SD are 2.2 and
2.4 m above ground.

Coordinates: 78° 31' 42" N
56° 50' 32.4" W ASD

Time was off 2017-08-12, 12gmt
2018-05-24, 15gmt

datalogger worked ok, it working.

Snow pit 26 cm or 55 cm

18d + 254 days + 3h

50

31

30

31

28

31

30

24

254.25 = 0.6965y

From transmission May 19, 2018

Both Te air not working, also in 2016!

2nd SD snow not working

Rest looks ok! Te aware of cameras

Coordinates: 80° 05' 57.3" N
58° 08' 50.9" W 907

Replaced 2nd SD

datalogger ok

26 cm snow over ice

Pole 140 cm above the ice
at least 150 into the ice

2nd SD snow not working, we
are out of spares.

→ ORDER SD replacements

Datum / Date: 25.5.2018 GITS

What did not work in 2017

Windspeed 2 = 0

SD 1, 2 out

Battery in Jan. going low
with 11.8V

Gits stopped due to power shortage,
the solar panels were both fried and
the battery box gone.

Used a small 12V battery, connected
a new small solar panel and
disconnected the Apex link.

One sonic was broken off and buried
1m in the snow. Mounted new SD
CR 50A SW 7276

We did not extend the tower,
needs to be done in 2019.

GITS

Datum / Date: 25.5.2018

Needs new battery box, extension
cable is already on the tower.

Needs extension in 2019

All is working but not transmitting,
did not connect the Apex transmitter.

Datum / Date: 25.5.2018 Saddle

In preparation for Sealable.
Transmission ok

Wind 1 seems out, most likely
burned

Snow? most likely burned

Power cable - could be an extension

Battery is ok.

Naga- SE Datum / Date: 25.5.2018

2 preparation for Naga- SE

Extension cable could be there
on the tower.

Transmission ok
Lower arm with wind + SP are
probably in snow.

Battery still ok

Datum / Date: 27.5.2018 T-all.dat

Data analysis:

1 1991 1

336 2018 12 (coldest 6 months!)

338-446 1991 Spring
339-443 Summer
340-444 Fall
341-445 Winter

1997 13.2
2017 10.9
2.3 °C

2.3°C warming in 26 years

0.9°C / decade

Kangas data processing Datum / Date: 27.5.2018

2016: 10 m tower 136cm snow

Box 200(16) 295(17) - 95cm

Level on 302(16) 359(17) - 57cm

radar 201(16) 265(17) - 64cm

surface $\bar{x} = 72cm$

this is ice we

KWS 720/6 $\bar{x} = 120cm$ snow

Box 230(16) 286cm(17) - 56cm

arm 227(16) 292cm(17) - 65cm

$\bar{x} = -60cm$

ice box $\bar{x} = -66cm$
Snow height = 18cm
WE 46cm



Finished updating Santa Camp gauge

NASA-SE

Datum / Date:

29.5.2018

leaving, 12:15 to NASA SE

66° 28' 40.6"N

42° 29' 42.2"W 236m

Lower arm in snow, wind broken
→ need new wind instrument.

→ SD was out and we had no
replacements.

Extended tower which is only
one 1m above the snow (junction)

All worked except the burned
sensors. Download ok.

Saddle transmitter cable was pulled
out from the antenna. Replaced
cable and resonator.

Took down Mike's station,
was deeply buried under the
snow.

Datum / Date:

29.5.2018

S. Salce

PB + B

Datum / Date:

Coordinates : $65^{\circ} 50' 59.1'' N$
 $44^{\circ} 30' 10.1'' W$
 2447m

Innanngang 40A
 3900 Mude

Peter Jansen +299 559311

lower arm in snow, wind was still turning,

downloaded the data, but had to repair the file and reformatted the chip.

Extended the tower, is litter all works except 10' was SD (is filled with snow - maybe some later) and wind speed.

+41 61 582 18 07

Series looking check in

Taxi: 299321 321

Swiss D3XABG -41 848700700

Master card 5474 2840 0019 5640

8-18 # 917

Sat. 2 June LX 1267

4 June LX 1267 9:35
 8XB

air Sirculand air +299 343434
 MY7D56 + HXNUGL

3 June 2018

8:15 - 9:10

; 22:55 - 7:15

Datum / Date: 20.5.2018

Datum / Date:

Return shipment WSL 2018

1. Large Edak Konu
- 2 " " Simol
- 3 " " 4 sleeping bags + mats
- 4 " " 2 tents, 2 mats
- 5 " " 2 Panasonic PC eds
- 6 " " Bianca
- 7 med Edak empty
- 8 " " "
- 9 " " "
- 10 small Edak Tools 1
- 11 " " Tools 2
- 12 " " AWS park cream.
- 13 " " " "
- 14 med Edak GPS's, Triumbe
- 15 med - large Rose cloth
- 16 Bianca Ski's
- 17 Pers. clothing Derek

16:45 544

17:40 kanger

Datum / Date: 10.7.2018

Derck Graeber

Datum / Date:

His flight to Senia Summit

DFW - ZHX

Aug 10 9

ZHX - CPH

Aug 12 11

CPH - Kanger

Aug 12 11

Kanger to Summit

13 Aug.

Summit to Kanger

24 Aug

Kanger - CPH

25 Aug 26

CPH - DFW

27/28 Aug

arrives Aug 10 to wh. 7 WSC
early morning
leaves @ 11 am

Datum / Date: 22.7.2011

Datum / Date:

CR23X → CK1000

needs new program ~

CR Base

1	Sw. diff	1, 2	
2	LW. in	3, 4	
3	5 Bridge ; 6	5, 6	
4	7 Bridge ; 8	7, 8	
5	(Global fix)	9, 10	
6	(SW - ref.)	11, 12	
7	SW - dir	13, 14	
8	15 Bridge ; 16	15, 16	max CK1000 ↓
9	GLOB	17, 18	
10	SW - ref.	19, 20	

Datum / Date:

Swiss Camp Snow Height
from SC home page

Datum / Date:

23 Nov 2018

Major: 0.64 m

0.6 m

Sept 20 1.87 m

1.75 m

A

1.23 m

1.15 m

Snow May

1.64 m

1.64 m

Surplus
accumulation:~ 0.4 m0.5 m

No ablation in Summer 2018,
but the surface increased by
0.4 - 0.5 m (Auffest!!)

Datum / Date: 20.2.2018

Field from 2018

Southern Trough

S. Dome (was not extended in 2018)

• Extension

• not transmitting

Saddle was extended in 2018

transmission sporadic, Battery 12V ✓

low snow height working

Dye 2 was extended in 2018

transmission ok, date ok

Battery ok, ✓

Nase-SE was extended in 2018

no transmission!

Datum / Date:

Northern Trough

Summit

no extension needed

Nov 8: 1-2m snow accumulation??

low snow around vent

Xmit ok, wind sensors out?

Battery ok

EGRIP

no extension needed

needs radiation sensor (S, net)

snow height ok, battery ok, Xmit ok

NASA-E

maybe extension

Worked until Sept. 18, battery was ok

no Xmit

NEEM

no extension needed

Xmit ok,

upped snow ramp out

one wind sensor out, both wind ^{as}

battery ok

Humboldt no extension needed
 x-unit stopped on Dec 1 ??
 upper wire speed ok
battery low 9.61 V, stopped !

NAGA-4 was extended in 2018
 stopped x-unit 31 Dec
 snow height ok
 battery was 11.95V 31 Dec 18
 seems ok

GITS
needs extension
 not x-unit

Swiss Camp all working

Swiss Camp some boxes
 working, but only a few hours/day!
battery ok

Petermann still very high!
 stopped x-unit Dec 1
 1 snow height and
battery 9.1 V unit

Itan needs extension
 x-units again, had data for
 only a few hours per day (anemia??)
battery is strange (needs new box)

Turk-N was extended in 2018
 snow height noisy, one snow and
 battery ok, x-unit ok

Crowbad 1 could use extension
 stopped x-unit July 15, 2018
 one snow sensor and
 battery is ok

(WHY)

Datum / Date: 23.2.2019

GC Net Display

Crawford Point ok

All stations Overview NOT WORKING

DYE-II Humidity - when 0-10%
missing data
don't show zero line

Snow Height sensor (don't
show values close to zero)

✓ Snow temperature - don't show !!

Wind direction goes only to 360!
not 450!

EGRIP don't show HAP40 below -10°C
has no red. & blue sensor

Datum / Date:

Humboldt (needs new battery)

JARI battery?

LARI battery was ok in Oct. stopped

NASAL stopped Sept 20
battery was ok!

NASAL-11 stopped 31 Dec battery ok!

NEET ok

PE Blue ok

PE Green ok

Potomann stopped Per d.
Battery low!

Saddle not much data, last Feb. 12
battery ok

Sawmiller ok

Super Camp battery \rightarrow ~24 V,
not possible, must
be an other device

Smile Camp 10m water ok, but
made data missing
battery ok

Peterson ok, battery good

HAP link does not work
All stations overview does not work

Group Kang, Dorch, Faust, Pys.
12 ~ 6 post.

All Stations Overview (Small link)

raw data last 14 days
first instrument is first of year

small map little work, needs
different projection, too wide is N

await metro & use of - why is that?

background not black \rightarrow white
dates on axes black

Fixed 5 April

Fixed 12 April

1 Global link to all of use

Datum / Date: 28.3.2019

Extraneous

- S-Dime
- NASA-E (maybe)
- GITS
- JAR1
- CP1 (maybe)

Total 5 (or 3)

Red containers 2

EGEP should be 2 series!

Send email to Dörthe and P

Belarus

Datum / Date: 28.3.2019

- Humboldt
- Petermann
- JAR1

Total 3 boxes etc.

3 pads in storage ~ Red containers

B+W 87 mm

Datum / Date: 29.3.2019

GOES

Datum / Date:

L R IT GOES 15 ended Dec 2018

DCS GOES West → GOES -17
@ 137.2°W

Power feed will end 14 May 2019

This probably does not affect the
GCUET transmission of goes data?

Datum / Date:

April 2013

Wend's report

Original

1 black

2 black

3 black

4 green

5 white

6 red

Earth ground

WS red

WD red

WD sig

WD exc

WS sig

①

new cable

black

blue

violet

green

white

red

②

Young
S178A

clear

black

white

green

blue

red

③

gray
cable

black

yellow

violet

green

white

~~red~~ blue!! red

④

black
cable

black

yellow

blue!

green

white

with screws
on boxTape with Tape
around the box

Sc $65^{\circ}33'20''N$, $49^{\circ}21'53''W$ 1135

DWID $69^{\circ}29'59''N$ $49^{\circ}33'49''W$ 1000

JAR1 $65^{\circ}25'36''N$ $48^{\circ}42'51''W$ 900

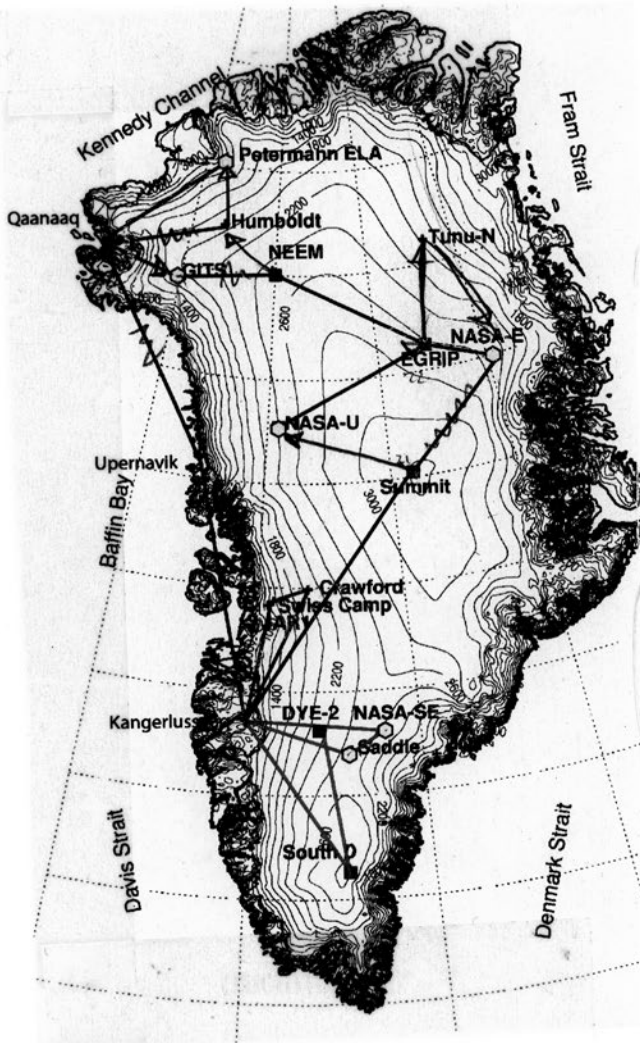
S-Dome $63^{\circ}08'56''N$ $44^{\circ}49'03''W$ 2878

Dgr-II $66^{\circ}28'55.1''N$ $46^{\circ}17'26.8''W$ 846

USA-4 $73^{\circ}50'26.6''N$ $49^{\circ}31'35.5''W$

Tuna-N $78^{\circ}01'7.5''N$ $23^{\circ}58'00.6''W$

NASA-E $75^{\circ}00'8.2''N$ $29^{\circ}59'01.0''W$ 2610



- 21.5 Summit. K NASA-U -
- 27.5 EGRIP K NASA-E -
- 23.5 " K Tunu-N -
- Decem Humboldt
- 24.5 Qaanaaq Pet, Git
- 25.5 aa. CPIC
- 26.5 STJ Saddle, Nestle
- 27 SFJ